Avondale Way Interchange 2030 No-Action ♦ Heavy congestion on westbound SR 520 at drop lane near Redmond Way (AM peak period). I Traffic queues into Avondale arterial system. 6% (AM **LEGEND** peak) of traffic destined to SR 520 not served. Location ✓ Additional study needed at the Redmond and ♦ PROBLEM Avondale interchanges. I IMPACT Redmond Way Interchange ✓ SOLUTION • Freeway queue beginning at 148th Avenue NE Heavy arterial congestion on Redmond Way (AM and interchange and Bridge Abutment extends to local PM peak periods). arterials (PM peak). Restricts access to freeway ramps. 15% (AM peak) Traffic queues into Avondale arterial system. and 2% (PM peak) of traffic destined to SR 520 not West Lake (See 148th Avenue NE interchange and Bridge Sammamish Parkwa served. Additional local study needed. West Lake Sammamish Interchange Heavy arterial congestion on West Lake Sammamish and Leary Way (AM and PM peak periods). Restricts access to and from freeway ramps. 17% (AM peak) and 70% (PM peak) of traffic destined to NE 40th Street/NE 51st Street CD Westbound SR 520 not served. Freeway queue beginning at 148th Avenue NE Eastbound off ramp traffic queues onto freeway (AM interchange and Bridge Abutment extends onto CD and PM peak period). (PM peak). Additional local study needed. Queuing extends onto the CD, and the NE 40th Street and the NE 51st Street arterial systems. SR 520 Eastbound (at West Lake Sammamish) (See 148th Avenue NE interchange and Bridge Freeway queue forms at the West Lake Sammamish interchange due to arterial congestion (AM and PM SR 520 Westbound (at 148th Avenue NE) In the AM peak, the freeway queue extends west of • Queue forms on freeway at the 148th Avenue NE on NE 51st Street with a duration of 2.5+ hours. In the ramp merge (AM peak). PM peak, the queue extends to the I-405 interchange, Extends east to the NE 40th Street and NE 51st Street and has a duration of 3+ hours. on ramps with a duration of 2.5+ hours. (See West Lake Sammamish Interchange). Additional freeway study needed. Queue forms at 148th Avenue NE, compounds with a NE 51st Street Interchange queue formed at the bridge (PM peak). Eastbound on ramp volume not served due to freeway Extends to Avondale with a duration of 4+ hours. congestion beginning at West Lake Sammamish (AM (See 148th Avenue NE interchange and Bridge and PM peaks). Traffic queues into arterial system. 14% (AM peak) and 42% (PM peak) of traffic destined to SR 520 not 148th Avenue NE Interchange (See West Lake Sammamish Interchange). Heavy arterial congestion (AM and PM peak). Westbound off ramp demand not served at intersection with 148th Avenue NE (PM peak). NE 40th Street Interchange Queuing extends from ramp onto freeway. Heavy arterial congestion on NE 40th Street (AM and Restricts access to freeway ramps. 12% (AM peak) PM peaks). and 35% (PM peak) of on ramp traffic unserved. Restricts access to freeway ramps. 16% (AM peak) Additional local study needed. and 46% (PM peak) of traffic destined to SR 520 not Additional local study needed.

Figure 16. No-Action East Side